Freecom DiskWare™ A6R & A12R

Engineered to meet stringent demands of continuous availability

- Manages explosive data growth and reduces business downtime.
- The fastest and easiest way to add harddisk storage to your server.
- Easy to Install : preconfigured Raid 5 setup.
- Preconfigured with a hotspare harddisk.
- Supports Raid JBOD, 0, 1 , 0+1, 3 and 5.
- Operating system independent.
- Connects to the server through the fast Ultra 160 SCSI connection. Model A12R has dual host connections for clustered environments.
- 3 years warranty with 1 year Advanced Replacement Service (ARS).
- Unlimited free technical support via E-mail and phone.
- Pre-installed harddisks included with up to 1 TB (A6R) or 2.1TB (A12R) gross storage capacity (Nett. : 720 GB (A6R) or 1.8 TB (A12R)in Raid 5).
- Auto-rebuild in case of harddisk failure.
- Completely user configurable via front panel

Raid Levels supported :

RAID Level	Common Name	Description	Array Capacity	Data Reliability	Data Transfer Capacity	Minimum Drives Required
0	Disk striping	Data distributed across the disks in the array. No redundant information provided.	(N) disks	Low	Very High	2
1	Disk mirroring	All data duplicated	(N/2) disks	Very High	High	2
3	Parallel transfer disks with parity	Data sector is subdivided and distributed across all data disks. Redundant information stored	(N-1) disks	Very High	Highest of all listed alternatives	3
5	Independent access Array with rotating parity	Data sectors are distributed as with disk striping, redundant information is interspersed with user data.	(N-1) disks	Very High	Very High	3
0+1	Disk-Striping + Disk-Mirroring	Combined "striping and mirroring function without parity. Fast data access and single drive fault tolerance.	(N/2) disks	Very High	High	4

The amount of data stored is expected to continue expanding at explosive rates over the next five years. Analysts predict that enterprise storage will account for 75% of all computer hardware expenditure. For this reason, Freecom has launched a complete new range of products, the Freecom DiskWare™ Series. Freecom DiskWare™ products stand for easy to install, easy to manage, Operating Independent system Raid Solutions. The Freecom Diskware™ products ensure continuous access to critical applications and data through hot swappable components. DiskWares intelligent design allows hot swapping on disk canisters, power supplies and fans for increased reliability and ease of maintenance.
The A6R/A12R are ideal for users who need a mid-size Raid system in a shared environment.

Freecom DiskWare™ products come with a multilingual Quick Install Guide, a manual on CD, pre-installed harddisks and free helpline support. To guarantee high levels of service, Freecom offers ARS (Advanced Replacement Service) support for the first year. This service is included and reduces your business downtime. Freecom will ship a free replacement unit the same day the failure is registered.

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Freecom DiskWare™ A6R & A12R

		Freecom DiskWare™ A6R	Freecom DiskWare™ A12R
Product		Freecom DiskWare™ A6R	Freecom DiskWare™ A12R
Controller		Intel i960 RN RISC	Intel i80303 64-bit RISC
Capacity		720 GB in RAID 5, 1 TB native	1.8 TB in RAID 5, 2.1 TB native
Cache Memory		64-128MB SDRAM upgradable (64 MB Pre-installed)	128-512 MB SDRAM upgradable (128 MB Pre-installed)
RAID Levels		0,1, 0+1, 3 or 5 (Pre-configured RAID 5)	0,1, 0+1, 3 or 5 (Pre-configured RAID 5)
Data Transfer Rate		Up to 160MB/s	Up to 160 MB/s
Interface:	***Host Bus*** ***Disk Bus***	Ultra 160 LVD SCSI Ultra ATA-100	Dual Ultra 160 LVD SCSI Ultra ATA-100
I/O connections		1 x High Density SCSI	2 x High Density SCSI
Drives		Hot Swappable Up to 6 3.5" 180 GB E-IDE drives	Hot Swappable Up to 12 3.5" 180 GB E-IDE drives
Hot Swap Components		Harddisk trays, cooling fan	Harddisk trays, cooling fans, power supplies
Host Requirement		Host Independent and Transparent	Host Independent and Transparent
Operating System		O/S Independent and Transparent	O/S Independent and Transparent
Data Rebuild		Automatic Data Regeneration	Automatic Data Regeneration
Power Supply Capacity		250 W x 2 Redundant	450 W x 2 Redundant, dual power
AC Input Voltage		110/220V (+/- 10 %), 60/50 Hz	115/230 V (+/- 10 %) , 60/50 Hz
Relative Humidity		10 % to 85 % non-condensing	10 % to 85 % non-condensing
Operating Temperature		5 °C ~ 40 ° C	5 °C ~ 40 ° C
Non-Operating Temperature		-25 °C ~ 60 °C	-25 °C ~ 60 °C
Dimensions		88(H) x 483(W) x 450 (D)mm 3,5 (2U) x 19 x 18 inch	175(H) x 483(W) x 470(D)mm 7 (4U) x 19x 18 inch
Weight		12 kgs (w/o harddisks)	19 kgs (w/o harddisks)
Package includes:		• DiskWare™ A6R (2U) or DiskWare™ A12R (4U) • 6 or 12 Pre-installed 3.5" 180 GB E-IDE drives (depends on model) • SCSI Cable, European or UK Power Cord • Quick Install Guide in 4 Languages (UK, FR, DE), Manual on CD • 1 year Advanced Exchange Warranty + 2 year Carry-In Warranty	

Advised Tape Backup product to use with this product:

18600	TapeWare DLT-VS640 Blade Autoloader
TBA	TapeWare DLT-VS1280 Autoloader
TBA	TapeWare S-DLT 220 Superloader 2.56 TB
TBA	TapeWare S-DLT 320 Superloader 5.12 TB

	Freecom DiskWare™ A6R 720/1080 GB	**Freecom DiskWare™ A12R 1800/2160 GB**
Art. No. EU/UK	*20597*	*20598*
EAN Code EU/UK	4021801205971	4021801205988
Capacity	720 GB in RAID 5, 1 TB native	1.8 TB in RAID 5, 2.1 TB native
Interface	Ultra160SCSI RAID System	Ultra160SCSI RAID System

3 YEARS WARRANTY GARANTIE freecom

ARS ADVANCED REPLACEMENT SERVICE

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